

Work Order ID 76883

Tuesday, November 22, 2011 3:06:34 PM

76883

Page 1

Item ID: D4450-1

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Item Name: Arm

Stop ***NS2***

Start Date: 11/22/2011 Start Qty: 2.00

2

Cust Item ID:

Required Date: 12/6/2011 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: *mf*

Date: *11-11-22*

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D4450

A

100

0.00

100

Small Fab

SB 11/11/23

(2)

Small Fab

Memo

0.00

Small Fab

1- punch one side
2- bend as per dwg
3- drill holes as per dwg
4- deburr

SB 11/11/23

110

QC5- Inspect part completeness to step on W/O

0.00

110

Sulu/25

QC

Memo

0.00

Quality Control

(2)

120

Black Sandtex(Ref:4.3.5.7) per QSI005 4.3

0.00

120

Powdercoat

Memo

0.00

Powder Coating

START TIME:

FINISH TIME:

OVEN TEMPERATURE:

320 015

215

2x PM 11/11/28

M 11/11/28

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 76883***76883***

Page 2

Tuesday, November 22, 2011 3:06:34 PM

Item ID: D4450-1

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Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	QC3- Inspect Part Finish	0.00							
130									
QC	Memo	0.00							
Quality Control									
140	Identify as per dwg & Stock Location: ST227	0.00							
140									
Packaging	Memo	0.00							
Packaging									
150	QC21- Final Inspection - Work Order Release	0.00							
150									
QC	Memo	0.00							
Quality Control									

2 BK 11-11-28

SP 11-11-28

11/11/29

ME 11-11-29

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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NOTE: Date & initial all entries

Picklist Print

Tuesday, November 22, 2011 3:06:34 PM

Page 1

Work Order ID: 76883

Parent Item: D4450-1

Parent Item Name: Arm

Start Date: 11/22/2011

Required Date: 12/6/2011

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A 11.11.14 NEW ISSUE DD VERF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304TR0.500W.049		Purchased	No			100	f	287.2801	2.3	4.8421053			
304 RD Tube .500 x .049W													

Location

Loc Qty

Loc Code

MAT017

287.280058

111814

2.23

115010

145.421058

117598

49.87

119087

89.759

SP 11/11/23

225

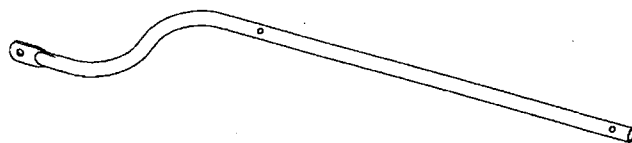
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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

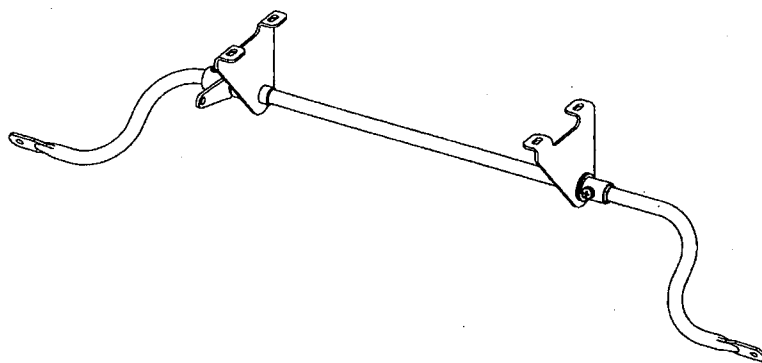
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



D4450-1 ARM



D4450-043 ARM

76853

RELEASED
2011-11-10

A	NEW ISSUE	DESCRIPTION	MB	11.09.29
REV.			BY	DATE
DESIGN		DART AEROSPACE USA, INC.		
DRAWN		KENT, WA		
CHECKED		DRAWING NO.	REV. A	
MFG. APPR.		D4450	SHEET 1 OF 4	
APPROVED		TITLE	SCALE	
DE APPR.		ARM	NTS	
DATE	11.09.29	<small>COPYRIGHT © 2011 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>		

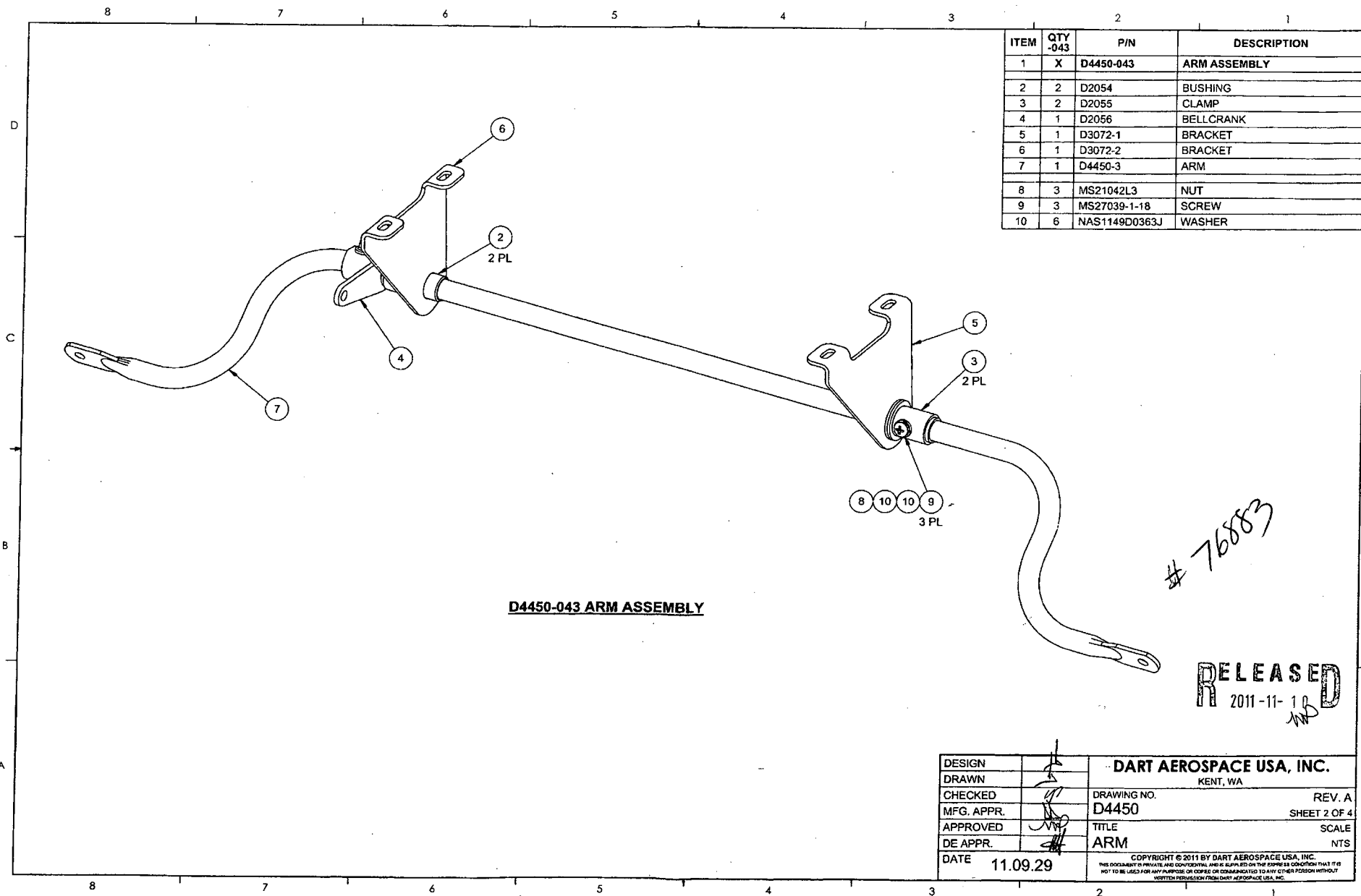
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



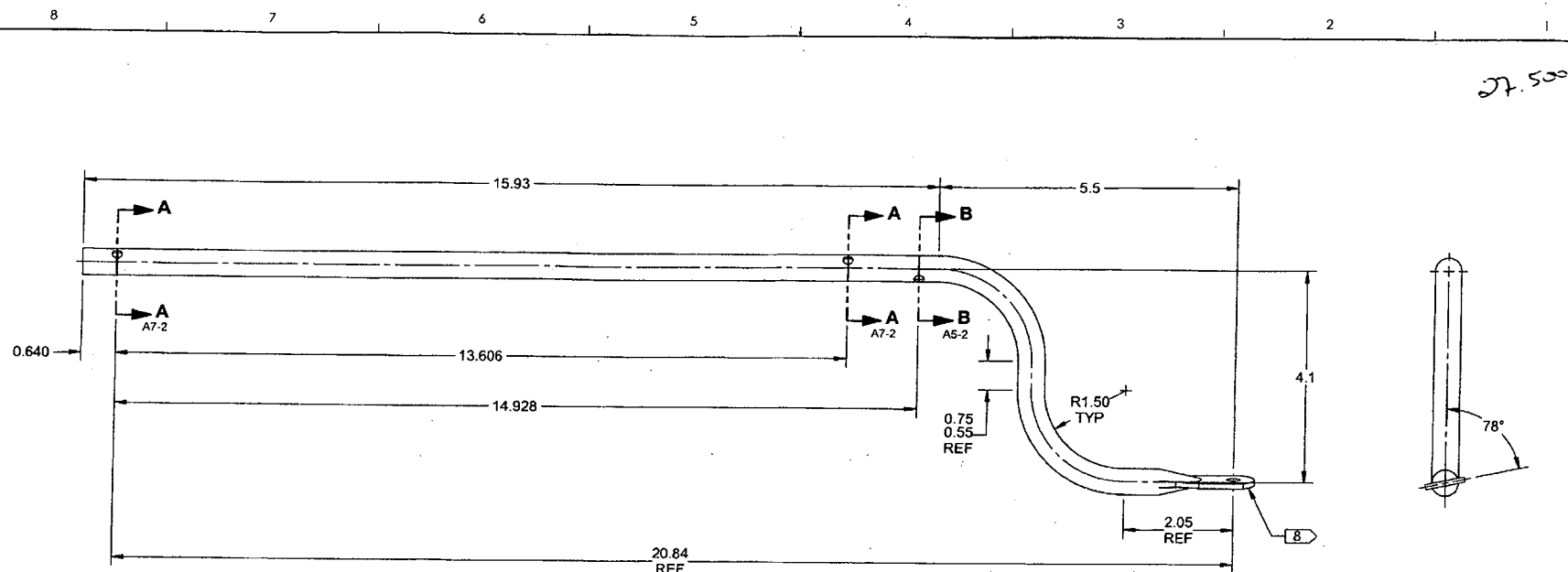
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

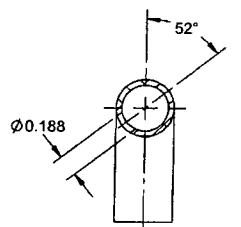
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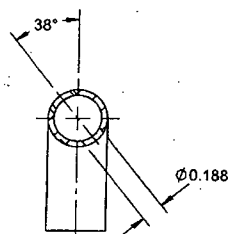
NOTE: Date & initial all entries



D4450-1 ARM



SECTION A-A
SCALE 2X C4-2 C8-2



SECTION B-B
SCALE 2X C4-2

D4450-1 NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SEAMLESS ROUND TUBING, $\phi 0.50 \times 0.049$ WALL
PER ASTM A213 OR ASME SA213 OR ASTM A269
REF. DART SPEC. M304TR0.500W.049
- 2) FINISH: POWDER COAT "BLACK SANDETEX" (4.3.5.7) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.49 lbs
- 8) PUNCH END PER SPEC. CONTROL DRAWING D2727

DESIGN		DART AEROSPACE USA, INC.	
DRAWN		KENT, WA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4450	SHEET 3 OF 4
APPROVED		TITLE	SCALE
DE APPR.		ARM	NTS
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76883

RELEASED
2011-11-18

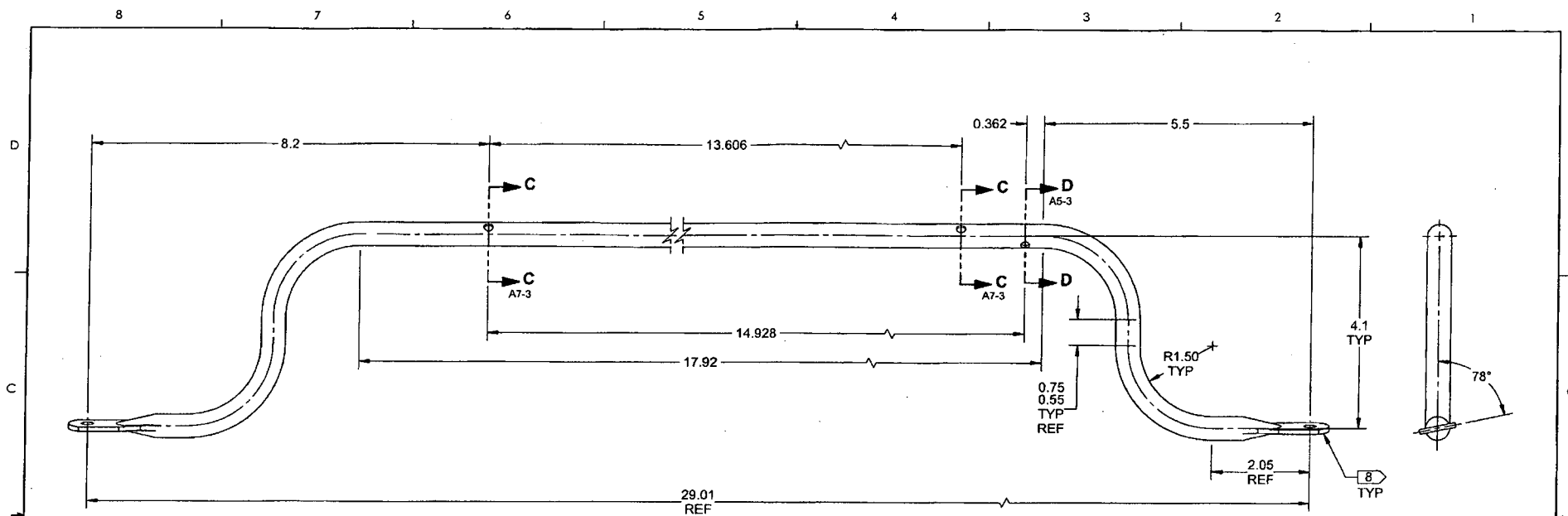
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

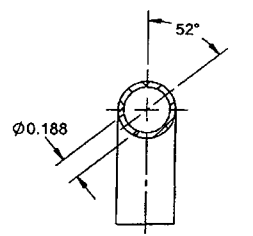
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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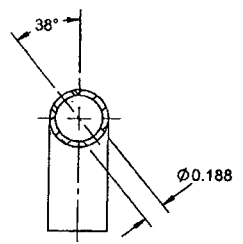
NOTE: Date & initial all entries



D4450-3 ARM



SECTION C-C
SCALE 2X C4-3 C6-3



SECTION D-D
SCALE 2X D3-3

D4450-3 NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SEAMLESS ROUND TUBING, $\phi 0.50 \times 0.049$ WALL
PER ASTM A213 OR ASME SA213 OR ASTM A269
REF. DART SPEC. M304TR0.500W.049
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION NONE
- 7) WEIGHT: 0.72 lbs
- 8) PUNCH END PER SPEC. CONTROL DRAWING D2727
- 9) REFER TO SHEET 2, D4450-043 ARM ASSEMBLY, FOR INSTALLATION OF REQUIRED PARTS PRIOR TO PERFORMING ALL BENDS

RELEASED
2011-11-10

DESIGN		DART AEROSPACE USA, INC.	
DRAWN		KENT, WA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4450	SHEET 4 OF 4
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